8. (New) A fastening arrangement between a riding ring and a casing of a rotary cylinder, whereby the riding ring encircles the casing of the rotary cylinder with clearance, comprising:

support elements affixed to the casing of the rotary cylinder and projecting radially outwardly,

the riding ring having at least one circular groove on a surface thereof,

a plurality of clamping elements distributed around a perimeter of the riding ring,

the distributed clamping elements engaging in a force-fit manner with the circular groove of the riding ring,

the clamping elements being connected with the support elements,

whereby the riding ring is immobilized in both the axial and circumferential directions relative to the casing of the rotary cylinder.

9. (New) A fastening arrangement according to claim 8, wherein the rotary cylinder is a rotary furnace for the heat treatment of free-flowing materials.

10. (New) A fastening arrangement according to claim 16, wherein the free-flowing materials heat treated in the rotary furnace are bulk solids in the form of raw cement mix.

11. (New) A fastening arrangement according to claim 8, wherein the support elements affixed to the rotary cylinder casing have spring guides oriented axially relative to the rotary cylinder, between each of which is positioned a clamping element tensioned in a force-fit manner on the riding ring.

12. (New) A fastening arrangement according to claim 8, wherein the riding ring is finished only on a lathe with no borings.

13. (New) A fastening arrangement according to claim 8, wherein the at least one circular groove of the riding ring is arranged on at least one of an interior surface of the riding ring as a circumferential groove and one lateral surface of the riding ring as an annular groove, and the clamping elements include screw jaws which engage in the at least one circular groove.

14. (New) A fastening arrangement according to claim 13, wherein the riding ring has two concentric annular grooves formed in a lateral face thereof and the screw jaws of the clamping elements are formed as grippers, with one of two gripping jaws of each screw jaw engaging in each of the two concentric grooves.

15. (New) A fastening arrangement according to claim 13, wherein the screw jaws of the clamping elements are formed as shears, shear ends of which can be spread apart against lateral surfaces of an appropriately shaped annular groove in the riding ring.

16. (New) A fastening arrangement according to claim 13, wherein each of the clamping elements include a clamping screw for moving at least a portion of an associated screw jaw to tension the screw jaw in a force-fit manner on the riding ring.

17. (New) A fastening arrangement according to claim 16, wherein the screw jaws of the clamping elements are formed angularly, with an axial arm having at least one hook-shaped end which engages with a circumferential groove arranged on an interior surface of the riding ring, and with a radial arm which supports at least one clamping screw, the clamping screw engaging with an annular groove arranged on a neighboring lateral surface of the riding ring, whereby the clamping screw tensions the screw jaw with the riding ring in a force-fit manner.

18. (New) A fastening arrangement according to claim 17, wherein the tensioning between the screw jaw and the riding ring is formed as a symmetrical 3-point transfer of force with two spaced hook-shaped ends per angular screw jaw arranged on the axial arm, which arms lie symmetrically on opposite sides of the clamping screw.

19. (New) A fastening arrangement according to claim 16, wherein the screw jaws of the clamping elements include wedge shaped elements, wherein rotation of the clamping screw causes the wedge shaped elements to move apart into force-fitting engagement with side walls of the circular groove.

20. (New) A fastening arrangement between a riding ring which encircles a casing of a rotary cylinder, comprising:

a plurality of support elements affixed to the casing of the rotary cylinder and projecting radially outwardly,

at least one circular groove formed in a surface of the riding ring,

a plurality of clamping elements distributed around a perimeter of the riding ring and connected with the support elements such that the clamping elements are restrained against movement in axial and circumferential directions relative to the rotary cylinder by the support elements, the clamping elements further engaging in a force-fit manner with the circular groove of the riding ring,

whereby the riding ring is immobilized in both the axial and circumferential directions relative to the casing of the rotary cylinder.

21. (New) A fastening arrangement according to claim 20, wherein the clamping elements include screw jaws engaged in the circular groove.

22. (New) A fastening arrangement according to claim 21, wherein the clamping elements include a clamping screw engaged with the screw jaws to move the screw jaws into force-fitting engagement with at least one side wall of the circular groove.

23. (New) A fastening arrangement according to claim 22, wherein each clamping element comprises two screw jaws movable towards each other to force-fittingly engage the at least one circular groove.

24. (New) A fastening arrangement according to claim 22, wherein each clamping element comprises two screw jaws movable away from each other to force-fittingly engage the at least one circular groove.

25. (New) A fastening arrangement according to claim 20, wherein the at least one circular groove comprises a circumferential groove formed on an inner surface of the riding ring and an annular groove formed on a lateral surface of the riding ring.

26. (New) A fastening arrangement according to claim 20, wherein the at least one circular groove comprises two concentric annular grooves formed on a lateral surface of the riding ring.

27. (New) A fastening arrangement according to claim 20, wherein the at least one circular groove comprises one annular groove formed on a lateral surface of the riding ring.